

USCMS Engineer Status Report for May 2004

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1 Work Performed This Month

IGUANACMS: Good progress in general. More users are using IGUANACMS and are supported.

- o) Tutorial about visualisation of User Collections is given at the RPRM on the 3rd of May. PRS feedback has been collected.

- o) Presentation during the ARDA workshop: the DST browser proposal as an example of a concrete application as a part of ARDA.

- o) FAMOS visualisation discussed with Paris and Patrick Janot. The use cases identified.

- o) IGUANACMS_1.8.0_pre1 is released. It is based on latest ORCA 8.1.3 and is a solid ground for further development toward IGUANACMS 1.8.0. ORCA application factory is added to run various ORCA applications based on the data type: sim hits, raw data, or DSTs.

- o) Post DC04 clean up of the code and the BuildFiles: dependencies are much cleaner now: NCCD is 1.5 (internal) as shown in the pre-release.

- o) New visualisation features include: filtering of the signal event sim hits, reconstructed tracks association with the simulated tracks which gives very nice coloring of the reconstructed tracks (see my presentation for the CMS week RPRM).

- o) Press office has been given nice postscript pictures they've been asking for.

- o) Pictures for Michel's talk done.

- o) A paper about CMS tracker visualisation has been submitted to the Rome conference.

- o) An abstract has been submitted to the CHEP04 conference.

IGUANA:

- o) Extensive tests of the MDI GUI for the 5.0.0 release;
- o) OpenInventor shapes test suite released;
- o) An abstract has been submitted to the CHEP04 conference.

2 Plans For Next Month

- Deploy the DST browser, collect users feedback, improve it based on the PRS needs;
 - Take part in the Naples workshop: present/discuss the DST browser, give feedback on implementation of RecCollections;
 - FAMOS visualisation: as discussed with Paris. His opinion is that fast simulation will become very important during this summer, so is visualisation for fast simulation.

3 Resources Needed

A fast up-to-date desktop computer would be handy since most of my time I spend compiling and testing IGUANACMS applications.